

# International Experts' Seminar-104 World Renewable Energy Congress/Network, WREC/WREN

01 – 04 August 2023

RENEWABLE ENERGY, CLIMATE CHANGE, Waste to Energy,  
Sustainable & Smart Cities, Water resources, Air quality, Artificial  
Intelligence, Economics, Financial Aspects & the Built Environment  
For Accommodation, see the note at the end.



## Among The Sponsors



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## **Professor Ali Sayigh – Seminar director**

World Renewable Energy Congress and Council Chairman, Director General of World Renewable Energy Network (WREN), Chairman, Founder of the Arab Solar Energy Society, Past Chairman of the UK Solar Energy Society, Director of Solar Seminars at ICTP-Trieste, Italy 1977-1995, Professor, and Head of Solar Energy at Saudi Arabia, Kuwait, and Reading Universities from 1969 to 1994. From 1994 to 2002, he taught at the University of Hertfordshire. In 2000, he founded the Arab Science and Technology Foundation (ASTF) in Sharjah, United Arab Emirates. He is a fellow of the Institute of Energy, the Institution of Engineering & Technology (IET), and a Chartered Engineer. Fellowship in the Royal Society of Art (FRSA). He has published over 600 papers and written and edited over 50 books. He is editor and editor-in-chief of several international journals, including the one he founded in 1983, which is now called Renewable Energy– the official Journal of WREN published by Elsevier Ltd. With the publication of Renewable Energy Magazine from 2000 to 2015, he established the annual magazine. In addition, he started New Journal with EDP Sciences in 2017, Open Access, "Renewable Energy and Environmental Sustainability-REES".



In this seminar, we will discuss climate change and global warming, how renewable energy systems can contribute to meeting the world's energy needs in power generation, transportation, industry, and the built environment, and the latest technologies for managing water resources. An emphasis is placed on reducing energy consumption, increasing efficiency, and protecting the environment. In addition to learning and collaborating with numerous industries, it will keep participants updated on renewable energy developments. The seminar creates an excellent opportunity for networking among the participants.

### **The main topics covered during the seminar will include:**

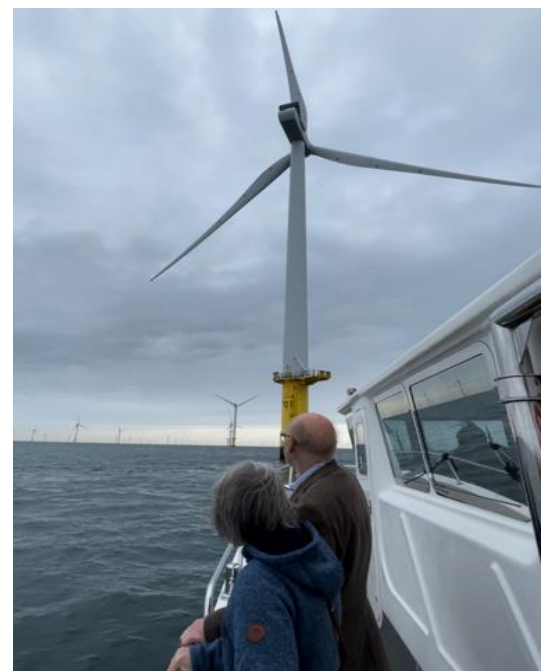
- Climate change, Renewable Energy Transitioning to Net-Zero
- Smart Sustainable Cities of the Future
- Transitioning the industrial clusters to net zero

- Photovoltaic technology – the latest Achievements
- Sustainable Buildings
- Air Quality Control and Management
- Advancement in Windfarms Technologies
- Sustainable Waste Management and Industrial Economies
- Energy Efficiency and associated Smart Technology
- Buildings' Energy Performance
- Wastewater Treatment and Management
- Water Resources Management & Desalination
- Low-energy architecture & Building materials
- hydropower, Ocean Energy
- Corporate Social Responsibility
- Renewable Energy Growth: the key to The Energy Transition
- Artificial Intelligence Applications for Sustainable Energy Resources



**Some of the expected speakers include:**

- Prof Ali Sayigh**  
*WREN, UK*
- Prof Abdul Salam Darwish**  
Bolton University, UK
- Prof Antonella Trombadore**  
*University of Florence, Italy*
- Prof R Critoph**  
*Warwick University, UK*
- Prof Riadh Al-Dabbagh**  
Adviser Ajman University, UAE
- Prof Larry Kazmerski**  
NREL, Colorado, USA
- Prof Dr D Chwieduk**  
*Warsaw University of Technology, Poland*
- Prof Anastasia Zabaniotou**  
Aristotle University of Thessaloniki, Greece
- Prof Nader Al-Bastaki**  
*Bahrain University, Bahrain*
- Prof Don Swift-Hook**  
*Secretary General of WREN Trustees-UK*





**Dr Jazla Fadda**  
Visionary Mindset, Dubai, UAE  
**Mr Rainer Hinrichs-Rahlwes**  
Berlin, Germany  
**Prof Peter Farrel**  
Bolton University, UK  
**Prof Jason Challender**  
University of Salford - UK  
**Prof Manuel Guedes**  
Tecnico Lisboa, Portugal  
**Dr Arthur Williams**  
Nottingham University, UK  
**Prof Phil Eames**  
Loughborough University- UK  
**Prof Marta Szabo,**  
Szentls Istvan University, Hungary



## Participants

The seminar is vital for policy, Makers, industrialists, government, Agencies, decision-makers, Researchers, Managers, and manufacturers, University Staff and Postgraduate Students.

## Fees

Full seminar fee only: £500 (Five Hundred Pound Sterling)

### ***Fees Include:***

*Seminar Bag, Programme, List of names, Coffee Break (Morning & Afternoon), simple Lunch, Group Photo, Gala Dinner and attendance certificate*

## Postgraduate Students Networking Opportunity

In the seminar, postgraduate students will present their work for 15 minutes each to benefit from the Experts' feedback and advice.

## Registration

University of Salford Website link:

<https://shop.salford.ac.uk/conferences-and-events/built-and-natural-environments/energy/world-renewable-energy-congressnetwork>

You may register for two days as a minimum or for the entire period. The accommodation options include either the University of Salford accommodation ensuite single rooms (£50) or a nearby hotel that we can assist you with. Those interested in booking at the University of Salford can do so through the same website beginning on July 31st and checking out on August 5th. Additionally, you may book one day in advance or one day after. Those who will register for two days can attend one day and pass for a colleague on the second day.

# Tentative Program

## Monday – 31st July 2023

**14:00 – 19:00** Arrival at the Hotel or University Guest Rooms.

**19:00 – 22:00** FREE PERIOD

## Tuesday – 1<sup>st</sup> August 2023

**08:30 – 09:00** Final registration & welcome by the organizers

**09:00 – 09:45** Achieving sustainability and environmental enhancements through a collaboration 'toolkit' to deliver new sustainability strategies.  
Prof Jason Challender

**10:00 – 10:45** Utilization of renewable energy in smart cities.  
Prof Dr Dorota Chwieduk, Technical University of Warsaw, Poland

**11:00 – 11:30** Coffee Break

**11:30 – 12:15** What does it take to become genuinely sustainable? Dr Nooshin Akrami, Education for Sustainable Development, Environmental Sustainability – Bolton, UK.

**12:15 – 13:00** Resorption heating and cooling applications for a sustainable future  
Prof. Robert Critoph, Warwick University, Coventry, UK

**13:00 – 14:00** Lunch

**14:00 – 14:45** Renewable Energy for Climate Protection and Energy Security – The European Green Deal and Beyond. Mr Rainer Hinrichs-Rahlwes, Berlin, Germany

**15:00 – 15:45** MEDITERRANEAN GREEN CITIES: sensible cities  
Prof Antonella Trombadore – Florence University, Italy

**16:00 – 16:30** Coffee Break

**16:30 – 17:15** Practical research methodology in Environmental Sustainability  
Prof Peter Farrell, University of Bolton, UK

**19:30 – 21:30**

**Dinner Sponsored by Warwick University**

### **Wednesday – 2nd August 2023**

**09:00 – 09:45**

**Photovoltaics: Progress & Future Development**  
Prof Ali Sayigh, Chairman of WREC, Brighton, UK

**10:00 – 10:45**

**Sustainable Biomass and waste-to-energy Systems in the Circular Economy**  
Prof Anastasia Zabaniotou - Biomass Group leader, Dept. of Chemical Eng., Aristotle University of Thessaloniki, Greece

**11:00 – 11:30**

**Coffee Break**

**11: 30 – 12:15**

**Renewable Energy Prospectus and development in central Europe**  
Prof Marta Szabo, Szentls Istvan Universiyu, Godollo, Hungary

**12:15 – 12:45**

**Shafak Ahmed – University of Bolton**

**12:45 – 13:05**

**Yaser Kaid – University of Bolton**

**13:05 – 14:00**

**Lunch**

**14:30 – 14:45**

**Solar Farm Visit followed by a visit to the University of Bolton.**

**19:00 – 21:00**

**Dinner sponsored by Bolton University**

### **Thursday – 3<sup>rd</sup> August 2023**

**09:00 – 09:45**

**Sustainability and Green Buildings**  
Prof Riadh Al-Dabbagh: Ajman, United Arab Emirates

**10:00 – 10:45**

**Offshore Floating Wind Technology: Key for Supporting the Present Energy Crisis and Transition To Sustainable Energy.**  
Prof Abdul Salam Darwish, University of Bolton, UK

**11:00 – 11:30**

**Coffee Break**

**11:30 – 12:15**

Engineering

**Energy House**  
Professor Richard Fitton – School of Science, and Environment, University of Salford – UK.

- 12:15 – 13:00**                    **University of Salford Energy House lecture & Tour**
- 13:00 – 14:00**                    **Lunch**
- 14:00 – 14:45**                    **Hydropower and Rural Electrification**  
Dr Arthur Williams, Nottingham University, Nottingham, UK
- 14:45 – 15:15**                    **Wind - Solar-Water Desalination management and  
Technical advancement: Case study from the Kingdom  
of Bahrain.**  
Prof Abdul Salam Darwish – University of Bolton.
- 15:15 – 16:00**                    **Determinants of health: Environmental threats &  
climate change adverse impacts on health.**  
Dr Jazla Fedda: Dubai, United Arab Emirates

**16:00**                                **Free Period**

**Friday – 4<sup>th</sup> August 2023**

- 09:00 – 9:45**                    **Examples of Sustainable Homes**  
Prof Antonella Trombadore, University of Florence,  
Florence, Italy.
- 10:00 – 10:45**                    **Impact of implementing sustainability policy in UK housing  
Association.**  
Dr Anna Williamson, Civil Engineering, University of Bolton  
– UK.
- 11:00 – 11:30**                    **Coffee Break**
- 11:30 – 11:50**                    **Ann Wolter – University of Bolton**
- 11:50 – 12:10**                    **Vidya Amarapala – University of Bolton**
- 12:10 – 12:30**                    **Mustafa Al-Saffar – University of Bolton**
- 12:30 – 14:00**                    **LUNCH BREAK**
- 14:00 – 15:00**                    **Green Power Solar International Distributor and  
Installer.**  
Jordan Assassa, Director & CEO
- 15:00 – 16:00**                    **Owen (Morgan Sindall), Gleeds  
Industrial presentations & Discussion**
- 16:00 – 16:30**                    **Coffee Break**
- 16:30 - 19:30**                    **Free Period**

**19:30 – 22: 30**

**GALA DINNER at a location to be announced later  
Certificates and USB Lectures presentation  
Sponsored by University of Salford**

**Saturday – 5<sup>th</sup> August 2023**

**10:00 – 12:00**

**BON - VIAGE (Safe Journey Home)**